

CLAIMS

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Please amend the claims as follows:

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1.-2. (cancelled)

3. (original) A method for crosstalk cancellation, which allows a listener a degree of freedom of movement, comprising:

accepting a binaural signal intended for the left and right ears of a listener; and
filtering the binaural signal according to a matrix of transfer functions to produce output signals suitable for reproduction through at least two loudspeakers, each element of the pseudoinverse of said matrix having, in each of a plurality of frequency bands, a magnitude substantially proportional to the magnitude of the transfer function between the loudspeaker and the listener ear corresponding to that element for a listener position chosen from a plurality of listener positions corresponding to the plurality of frequency bands.

4.-7. (cancelled)

8. (currently amended) A method for crosstalk cancellation, which allows a listener a degree of freedom of movement, comprising:

accepting a binaural signal intended for the left and right ears of a listener; and
filtering the binaural signal according to a matrix of transfer functions to produce output signals suitable for reproduction through at least two loudspeakers, the magnitude of an element of said matrix substantially being a smoothed version of the magnitude of the corresponding element of a matrix designed to cancel crosstalk, wherein said smoothing is increased over frequencies at which the transfer functions between said loudspeakers and listener ear are most sensitive to listener position.

9.-22. (cancelled)